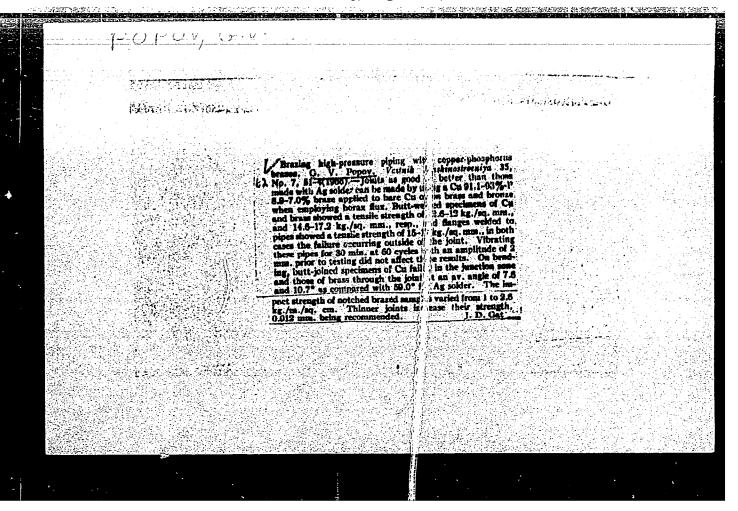
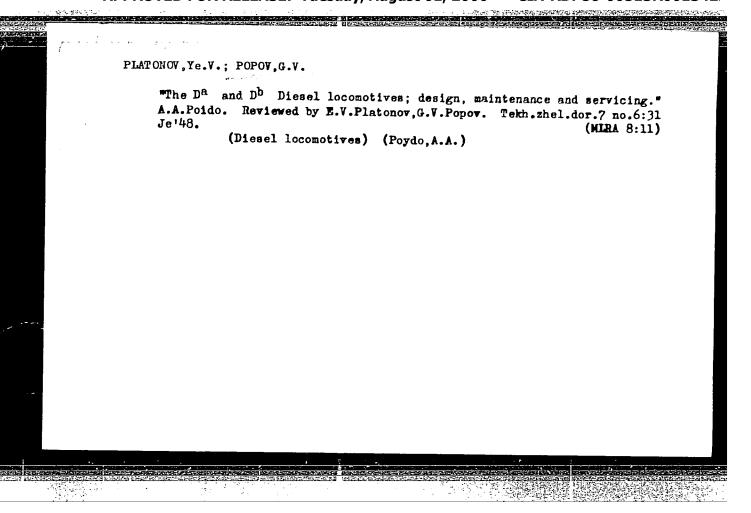
"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001342



BOL'SHAKOV, Anatoliy Stepanovich; SARIN, Valeriy Ivanovich;
SHVAYNSHTEYN, Boris Simonovich; DNOMAREV, V.S., inzh.,
retsenzent; ZAZOVSKIY, D.G., inzh., retsenzent; MAKAROV,
M.S., inzh., retsenzent; POPOV, G.V., inzh., retsenzent;
KURBATOV, A.I., retsenzent; KITALEVA, Z.A., inzh.,
retsenzent; SDOBNIKOV, Ye.F., retsenzent; KOVALEV, A.K.,
inzh., retsenzent; KESAREV, A.P., inzh., retsenzent;
KISELEVA, N.P., inzh., red.; CROMOV, S.A., kand. tekhn.
nauk, red.; SHCHERBACHEVICH, G.S., inzh., red.; USENKO, L.A.,
tekhn. red.

[Shunting diesel locomotives]Manevrovye teplovozy. Moskva, 1962. 383 p. (MIRA 15:6)

(Diesel locomotives)



POPOV, G.V., inzhener.

Using hydromechanical transmission in diesel locomotives. Tekh. shel.dor. 15 no.1:28-29 Ja-F '56. (MLRA 9:5)

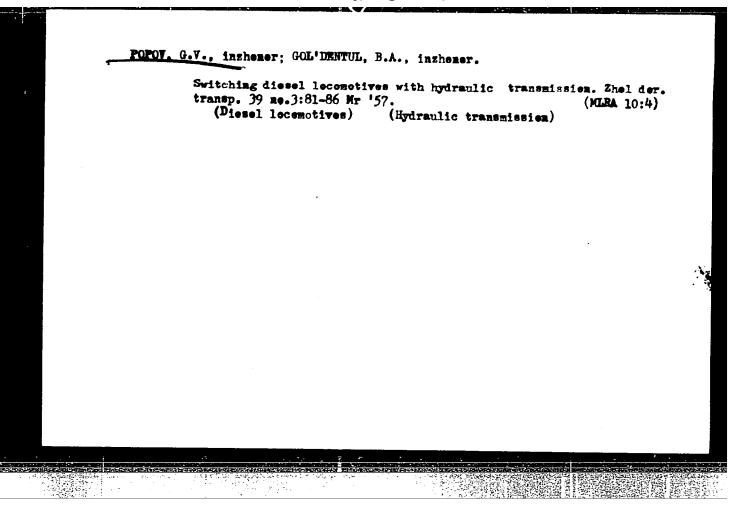
(Diesel locomotives--Transmission devices)

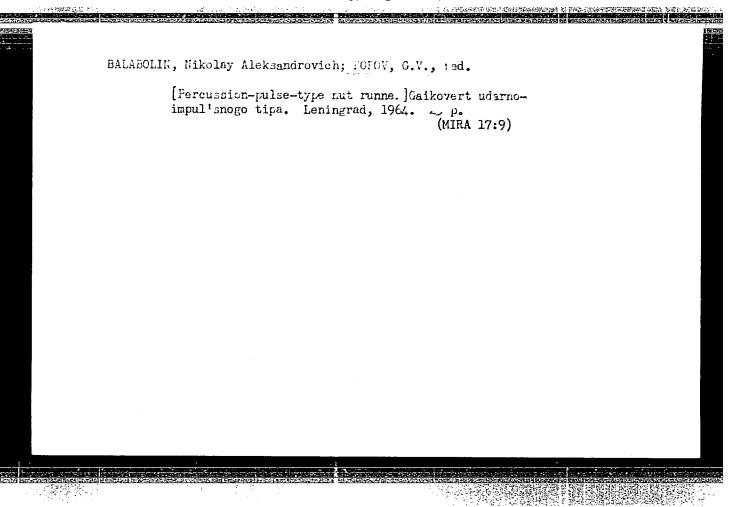
FOPOV, G.V., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Hydraulic transmission in diesel locomotives; & collection of advanced articles] Gidravlicheskie peredachi teplovozov; sbornik perevodnykh statei. Moskva, Gos.transp.zhel-dor.izd-vo, 1957.

168 p. (MIRA 11:2)

(Diesel locomotives--Hydraulic driving)





GURSKIY, P.A., doktor tekhn. nauk; POPOV, G.V., inzh.

Results of traction and heat engineering tests conducted on MGl
diosel locomotives. Vest. TSNII MPS 17 no.2:19-23 Mr '58.

(Diesel locomotives—Testing) (MIRA 11:4)

SOV/122-58-12-9/32

AUTHORS: Popov, G.V., Candidate of Technical Sciences, and

Simkin, To.L., Engineer

TITLE: Pneumatic Hoist PP-500 (Pnevmaticheskiy pod"yemnik PP-500)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 12, p 29

ABSTRACT: A pneumatic motor, situated inside the cable drum, drives the drum through a 2-stage planetary reduction gear with a transmission ratio of 200:1. The hoist is push-button controlled, has a load capacity of 500 kg and a maximum lift of 6 m. At 5 at. air pressure, the motor has an output of 0.73 hp at 2100 rpm, when lifting, and of 0.16 hp at 2700 rpm, when lowering. Lifting speeds are 2.7-5.4 m/min and lowering speeds are 3-3.4 m/min. The air consumption is 0.7 free m3/min. The hoist measures 260x490x340 mm with a carriage for manual displacement along an I-beam and weighs 36 kg. There are 2 figures (including 1 photograph)

Card 1/1

POPOV. G.V., inzh.; YEREMEYEV, A.S., inzh.

New TGMI diesel switcher locomotive equipped with hydraulic transmission. Vest.TSNII MPS 18 mo.1:15-19 F 159. (MIRA 12:3)

(Diesel locomotives)

POPOV, Gleb Vladimirovich; YEREMEYEV, Anatoliy Semenovich; BARKOVSKIY, Yu.B., inzh., red.; KHITROVA, N.A., tekhn.red.

[Hydraulic drive of diesel locomotives; principles of performance, design, and servicing] Gidravlicheskie peredachi teplovozov; printsip deistviia, ustroistvo i obsluzhivanie. Moskva, Vses. izdatel sko-poligr.ob edinenie M-va putei soobshcheniia, 1960.
74 p. (MIRA 14:1)
(Diesel locomotives--Hydraulic drive)

FUFRYANSKIY, N.A., doktor tekhn. nauk; GUREVICH, A.N., kand. tekhn. nauk; YEGUNOV, P.M., kand. tekhn. nauk; POPOV. G.V., kand. tekhn. nauk; STROMSKIY, P.P., kand. tekhn. nauk

Results of traction and heat engine tests of series TG102 diesel locomotives. Vest. TSNIT MPS 25 no.1:16-23 '66.

(MIRA 19:2)

EWT(m) 24242-66 UR/0386/66/003/009/0382/0384 SOURCE CODE: ACC NR: AP6014616 AUTHOR: Krizhanskiy, L. M.; Rogozev, B. I.; Popov, G. V. 11 B ORG: none TITLE: On the sign of the change of the charge radius of the Sn119 nucleus SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 9, 1966, 382-384 TOPIC_TAGS: Mossbauer effect, line shift, excited state, resonance line, barium titanate, tin, solid solution, paraelectricity, ferroelectricity ABSTRACT: The authors used the nuclear-gamma-resonance spectroscopy method to investigate the behavior of Ba(Ti, Fe)03 solid solutions in the region of transition from the paraelectric into the ferroelectric state. From an analysis of the data on the temperature dependence of the chemical shift in the absorption spectra of such Solid solution in the transition region, and from a comparison with similar data for Ba(Ti, Fe)O₃ they have also determined the sign of the change in the charge radius of Sn¹¹⁹. The investigation was made with the apparatus described in a paper by one of the authors (Krizhanskiy, with Ye. M. Kruglov, ZhETF v. 43, 2050, 1962). The source was tin dioxide. The absorber temperature was varied from room temperature to -170C. A plot of the temperature dependence of the chemical shift in the spectra of Ba(Tio.s, Sno.2)03 and Ba(Tio.7, Sno.3)03 shows that at temperatures above -60C and -150C the corresponding solid solutions are in the paraelectric phase. Card 1/2

L 24242-66 ACC NR: AP6014616

2

At temperatures -60C and -150C a discontinuity sets in and jumps occur in the value of the chemical shift. These jumps cannot be attributed to the temperature shift and must be interpreted as the consequence of structure (phase) changes in the investigated sample. The change in the chemical shift can be due to distortion of the unit cell and the concomitant change of length and angles of the bonds in the ferroelectric phase transition. It is deduced that during the ferroelectric transition an increase of the electron density occurs also at the Sn¹¹⁹ rucleus. Since the transition from the paraelectric into the ferroelectric phase is accompanied by an increase in the chemical shift of the absorption line, the change in the charge radius is negative, in accord with other published findings. The authors thank V.

A. Bokov for providing the samples and for useful discussions, and A. N. Perevedentsev for help with the work. Orig. art. has: 1 figure and 1 formula.

SUITA CODE: 20/ SUIBM DATE: 05Mar66/ ORIGI REF: 003/ OTH REF: 005

Card 2/2 MA

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013423

POPOV, G.V., kand.tekhn.nauk

Mechanized tightening of axle bolts of the K-700 tractor. Mekh.
i avtom.proizv. 19 no.2:19-20 F '65.

(MIRA 18:3)

POPOV, G.V., kand.med. nauk (Arkhangel'sk, prosp. P.Vinogradova, d.160, kv. 2)

Osteolysis of the humeral heads on the basis of syringomyelia. Ortop. travm. protez. 24 no.7:57-58 J1.63 (MIRA 17:2)

1. Iz kafedry gospital noy khirurgii (zav. - prof. V.F.TSel') Arkhangel shogo meditsinskogo instituta (rektor - dotsent I.G.Chernetsov).

DROBINSKIY, V.A., inzh.; YEGUNOV, P.M., kand. tekhn.nauk; VOLODIN, A.I., kand. tekhn.nauk, retsenzent; CRCMOV, S.A., kand. tekhn.nauk, retsenzent; POPOV, G.V., kand. tekhn. nauk, retsenzent; BOL'SHAKOV, A.S., inzh., retsenzent; KATANOV, M.I., inzh., retsenzent; SIROTENKO, V.D., kand. tekhn. nauk, red.; USENKO, L.A., tekhn.red.

[How a diesel locomotive is built and operates] Kak ustroen i rabotaet teplovoz. Izd.2., perer. i dop. Moskov, Transzheldorizdat, 1963. 380 p. (MIRA 17:1)

POPOV, G.V., inzh.

Analyzing the centrifugal switch of the automatic system for the control of the speed rates of hydraulic transmissions. Trudy TSNII MPS no.254:4-72 '63. (MIRA 16:6)

(Diesel locomotives—Hydraulic drive)
(Automatic control)

POPOV, G.V. (Vologda)

Acquainting students with the science of colors. Fiz.v shkole
22 no.5:85-90 S-0 '62. (MIRA 15:12)

(Physics—Study and teaching) (Colors)

POPOV, G.V., kand.med.nauk

Evaluation of the methods of treating chinga. Sov.med. 26 no.7: 98-100 J1 '62. (MIRA 15:11)

1. Iz kafedry obshchey khirurgii Arkhangel'skogo meditsinskogo instituta (zav. - zasluzhennyy deyatel' nauk RSFSR prof. G.A. Orlov).

(FINCERS __DISEASES)

POPOV, G. V., kand. med. nauk

Rare observation of Recklinghausen's disease. Vest. khir. no.4: 94 62. (MIRA 15:4)

1. Iz gospital'noy khirurgicheskoy kliniki (i. o. zav. - prof.
V. F. TSel') Arkhangel'skogo meditsinskogo instituta.

(NEUROFIBROMATOSIS)

POPOV, G.V., kand.med.nauk

Neurofibromatosis with a tumor of unusally large size. Vest. khir. no.6:101 '62. (MIRA 15:11)

SEMICHASTNOV, Ivan Fedorovich, kand. tekhn. nauk; POPOV, G.V., inzh., retsenzent; GALANOVA, M.S., red. izd-va; TIKHANOV, A.Ya., tekhn. red.

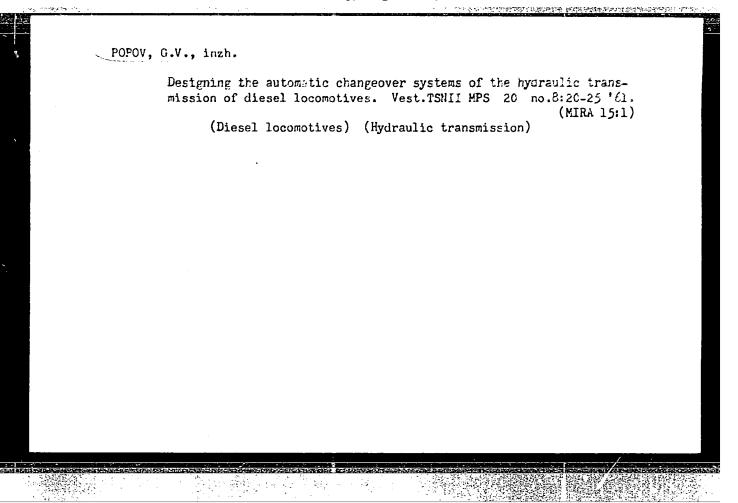
[Hydraulic transmissions of diesel locomotives]Gidravlicheskie peredachi teplovozov. Izd.3., perer. Moskva, Mashgiz, 1961.
331 p. (MIRA 15:10)
(Diesel locomotives—Hydraulic drive)

ALFER'IEVA, M.Ya.; POPOV, G.V. (Arkhangel'sk)

Therapeutic effect of diplococcal serum in chinga. Klin.med.
39 no.3:66-68 Mr '61. (MIRA 14:3)

1. Iz kafedry obshchev khirurgii (zav. - prof. G.A. Orlov)
Arkhangel'skogo meditsinskogo instituta (dir. - dotsent A.A.
Kirov) i Instituta epidemiologii, mikrobiologii i gigiyeny
(dir. M.Ya. Alfer'yeva).

(DIPLOCOCCUS) (FINGERS.—DISEASES) (ARTHRITIS)



POPOV, G.V., kand.tekhn.nauk; LEYENSON, M.A., inzh.

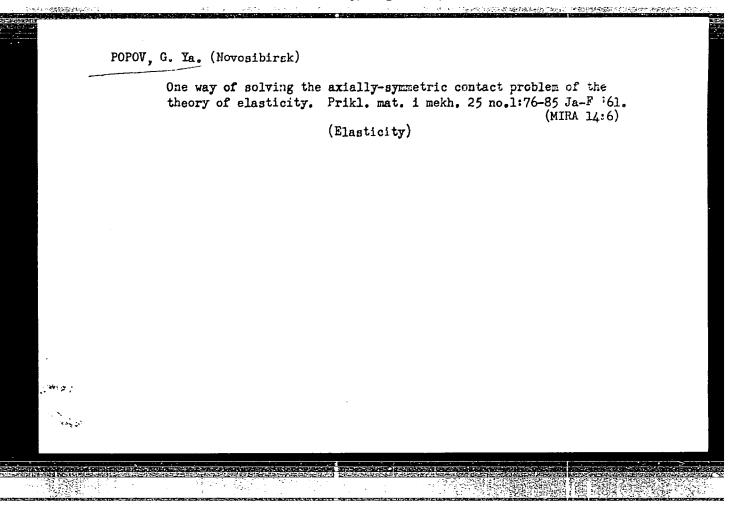
Mechanization of torque tightening of threaded joints with a diameter from 24 to 42 cm. Vest. mash. 41 no.6:66-68 Je '61.

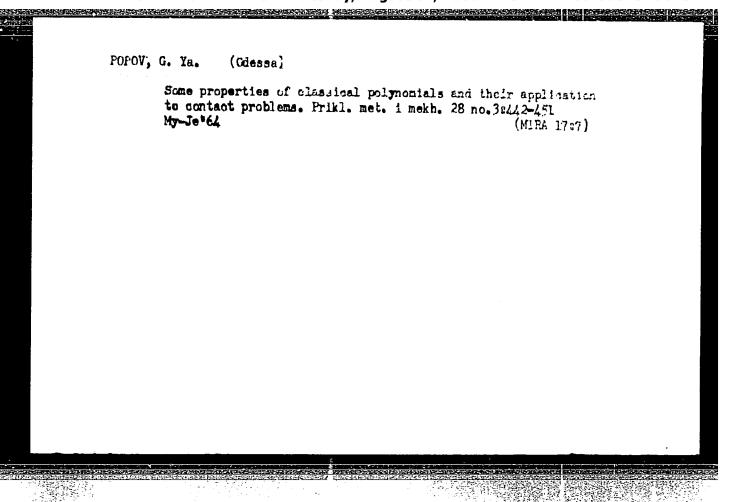
(Pneumatic tools)

(Pneumatic tools)

[Automation of technological processes; manual] Avtomatizatsiia tekhnologicheskikh protessov; uchebnoe posobie. Leningrad, Severo-Zapadnyi zaochnyi politekhnicheskii in-t. No.1. 1961. 105 p. (Automation) (Metal cutting)

POPOV, G.Ya. (Novosibirsk) A plane contact problem in the theory of elasticity. Izv.in SSSR.0td. tekh.nauk.Mekh.i mashinostr. no.3:143-150 My-Je '61. (MIRA 14:6) l. Novosibirskiy inzhenerno-stroitel'nyy institut. (Elasticity)



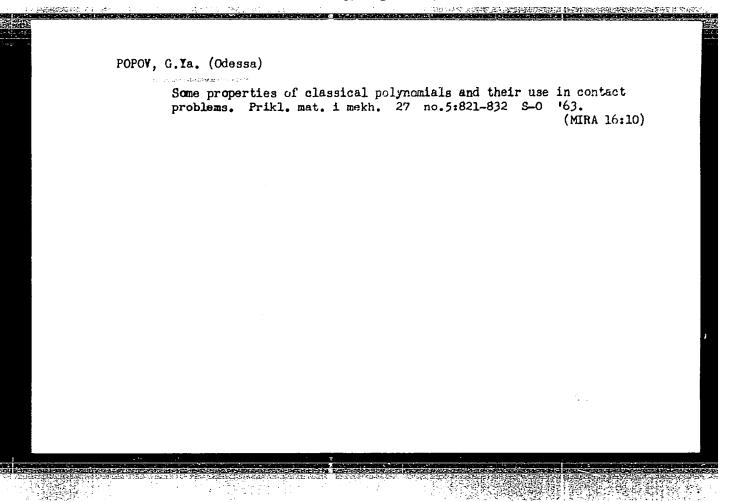


POPOV, G.Ya. (Odessa)

Contact problem of the theory of elasticity in the case of a circular contact area. Prikl. mat. i mekh. 26 no.1:152-164 Ja-k '62.

(MIRA 15:1)

(Elasticity)



FOROV, G.YA. (Odessa); ROSTOVTSEV, N.A. (Komcomolsk-on-Amur)
"Contact (mixed) problems of the theory of elasticity"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

32735 s/140/61/000/004/008/013 0111/0222

Popov, G. Ya.

TITLE:

PERIODICAL:

On an integral equation

Izvestiya vysshikh uchebnykh zavedeniy. Matematika, no. 4, 1961, 99-103

TEXT: The author considers the integral equation

 $\left(\frac{\lambda}{|x-\xi|}\right)^{\nu/2} K_{\nu/2}(\lambda |x-\xi|) \varphi(\xi) d\xi = g(x), 0 \leq x \leq \infty, (1)$

where $K_{V}/2^{(z)}$ -- Macdonald function, $0 \le V \le 1$, g(x)-- given function. If g(x) is representable by Fourier integrals then the solution of (1) leads to the solution of the simpler equation

 $\int_{0}^{\infty} 1(|x-\xi|) \varphi_{3}(\xi) d\xi = e^{i \xi x}, 0 \le x < \infty, \text{ Im } \xi \geqslant 0$ (6) where 1(od) denotes the kernel of (1). The solution of (6) is sought Card 1/3

X

X

32735 S/140/61/000/004/008/013 C111/C222

On an integral equation

where $\mu = \frac{1-\gamma}{2}$.

It is pointed out that the problem of pressing of a semiinfinite die into an elastic halfspace with a variable modulus of elasticity $E = E_{\nu} z^{\nu}$ leads to (1).

The author mentions V. J. Mossakovskiy, B. G. Korenev and V. A. Fok. There are 5 Soviet-bloc and 1 non-Soviet-bloc reference. The reference to the English-language publication reads as follows: E. Copson. On an integral equation arising in the theory of diffraction. Quart. J. of Math., v. 17, no. 65, 1946.

ASSOCIATION: Novosibirskiy inzhenerno-stroitel'nyy institut im. V. V.

Kuybysheva(Novosibirsk Institute of Civil Engineers im.

V. V. Kuybyshev)

SUBMITTED: March 7, 1959

Card 3/3

X

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001342"

FOFOV, G.Ya.

Solution of contact (mixed) problems in elasticity theory for a circular cylinder of infinite length. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 17 no.4:51-62 '64. (MIRA 17:11)

1. Odeaskiy inzhenerno-stroitelinyy institut.

ACCESSION NR: AP5007277	8/0057/65/035/003/0361/0389 27
AUTHOR: Popev, G.Ya.	1/2 to 26
TITLE: On an approximate sol electromagnetic waves by a s	ution of the integral equation for the diffraction of lit of finite width
SOURCE: Zhurnal tekhnichesko	y fiziki, v.35, no.3, 1965, 381-389
TOPIC TAGS: diffraction patt	ern, integral equation, Bessel function, Laguerre poly-
function (Macdonald function	es the following formula involving the modified Bessel a) K and the Laguerre polynomials L:
function (Macdonald function	$\frac{1}{8} \frac{1}{\Gamma(1/3 - \mu)} \int_{0}^{\infty} \frac{K_{\mu}(x - y) L_{\mu}^{\mu - 1/4}(2y) dy}{ x - y ^{6} \sigma^{2} y^{1/4 - 4}} =$
function (Hacdonald function \sqrt{r} $= e^{-h}(m \cdot 1)^{-1}\Gamma(1/2 + \mu 1)$	$\frac{1}{\sqrt{\pi}} \int_{0}^{\infty} \frac{K_{\mu}(x-y) L_{m}^{\mu-1/2}(2y) dy}{ x-y ^{2} e^{y} y^{2} - \mu} = \\ +m) e^{-x} L_{m}^{\mu-1/2}(2x), x \geqslant 0; -\frac{1}{2} < \text{Re } \mu < \frac{1}{2}.$
function (Hacdonald function \sqrt{r} $= e^{-h}(m \cdot 1)^{-1}\Gamma(1/2 + \mu 1)$	() K and the Laguerre polymer-
function (Macdonald function \sqrt{r} $= 2^{-h}(m!)^{-1}\Gamma(1/r+\mu)$	$\frac{1}{\sqrt{\pi}} \int_{0}^{\infty} \frac{K_{\mu}(x-y) L_{m}^{\mu-1/2}(2y) dy}{ x-y ^{2} e^{y} y^{2} - \mu} = \\ +m) e^{-x} L_{m}^{\mu-1/2}(2x), x \geqslant 0; -\frac{1}{2} < \text{Re } \mu < \frac{1}{2}.$

L 40935-65

ACCESSION NR: AP5007277

No.3, 1959; 129, No.2, 1959) the author obtains the solution of the integral equa- $\int H_0^{(3)}(k|x-y|) \varphi(y) dy = Ae^{-iks} + Be^{iks}(A, B = \text{const}),$

$$\int_{0}^{\infty} H_{0}^{(3)}(k|x-y|) \varphi(y) dy = Ae^{-ikx} + Be^{ikx}(A, B = \text{const}),$$

which arises in the theory of diffraction by a slit of finite width $(H_0^{(2)})$ is a Hankel function), in the form of an infinite series of Laguerre polynomials. This series converges the more rapidly, the greater the ratio of the slit width to the wavelength. Orig.art.has: 64 formulas.

ASSOCIATION: Odesskiy inzhenerno-stroitel'nyy institut (Odessa Construction Engineering Institute)

EUBMITTED: 15Apr64

ENCL: 00

SUB CODE: MA.GP

NR REF SOV: 007

OTHER, OOO

Card 2/2/16

رار 2000 CIA-RDP86-00513R001342 مارتوان ماردان مارتوان مارت مارت مارت مارت مارت مارت مارت مارت مار مارت مارت مار مارد مار مارد مارا مار مارد مارد مار , August 01, 2000 c111/0222 The pressing of a semi-infinite punch into an elastic half-source PERIODICAL: Referativnyy 259 ("Teor. 1 prikl. matem., "vyp I. L'vov. abstract 1 B 259 ("Teor. 1 173-183)

L'vovsk un-t, 1958, 173-183 14 4200 TEXT: Considered is a semi-infinite punch x>0 which is pressed into the form has the form that the base of the punch has the form half-space z>0. It is assumed that the base of the punch has the form AUTHOR: TEXT: Considered is a semi-infinite punch x>0 which is pressed into the form that the base of the punch has the form half-space z>0. It is assumed that the base of the punch has the form TITLE: $\pi(x,y) = A \cos \lambda y e^{-i\omega x}; \quad \infty \angle y \angle \infty; \quad 0 \angle x \angle \infty$ this case it is natural to expect the pressure to have the form φ(x) cos λ y 1 .. y2

S/044/62/000/001/032/061 c111/c222

The pressing of a semi-infinite

$$\frac{1}{1 - \int_{0}^{\infty} K(u)e^{iwu} du} = \psi_{1}(w) \psi_{1}(-w); - \infty < w < \infty$$

To solve (3), the author first uses the V.A. Fok method formally and substantiates it later for (3). It is shown that in this case the Fok method is applicable under somewhat simpler assumptions. The function $\varphi(x)$ determined from (3) in this way has the form

$$\varphi(x) = \frac{A\sqrt{3s^2 + \lambda^2}}{\pi} \left\{ \frac{e^{-x\lambda}}{\sqrt{\pi x(\lambda - \omega_i)}} + e^{-i\omega x} \phi(\sqrt{x(\lambda - \omega_i)}) \right\}$$

where ϕ is the probability integral. With this the problem for a punch with the base (1) is solved. It is suggested that one can get the solution in general cases by supposition. In the article the corresponding plane problem is also solved using a limit process. The reviewer mentions that the problem presented in the abstracted paper is being Card 3/4

ıχ

POPOV, G.Ya.

One approximation method for solving certain plain contact problems in the theory of elasticity. Izv. AN Arm. SSR. Ser. fiz.-mat, nauk 14 no.3:81-96 '61. (MIRA 14:8)

1. Novosibirskiy inzhenerno-stroitel nyy institut imeni V.V. Kuybysheva.

(Boundary value problems) (Elasticity)

s/040/62/026/001/017/023

D237/D304

10.7100 also 3008

Popov, G.Ya. AUTHOR:

Contact problem of the theory of elasticity, with a TITLE:

spherical region of contact

Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk, Pri-PERIODICAL:

kladnaya matematika i mekhanika, v. 26, no. 1, 1962, 152-164

TEXT: If an elastic body penetrates into an elastic medium, then for an axially symmetrical case, displacement w(r) of the surface point of the medium where $r = \sqrt{x^2 + y^2} = \text{distance}$ of the point in question from the point of application of unit force is given by the author's earlier work (Ref.7: PMM, 1961, v. 25, no. 1) as Eq. (1.1)

 $w(r) = \frac{\partial l}{2\pi} \int G(ht) J_0(rt) dt$

where $\int_{0}^{\infty} o(x) = B_{essel}$ function, θ and h = some parameters of the medium and G(∞) = 1. By (Ref. 7:Op.cit.) and the author's (Ref.8: Izv. vuzov. Card 1/3

32696 \$/040/62/026/001/017/023 D237/D304

Contact problem of the theory ...

Str-vo i arkhitektura, 1959, no. 11) an integral equation for the contact stress p(r) is obtained in dimensionless variables and its approximate solution is obtained by a series expansion of Bessel functions. After another change of variables a solution is proposed to be of the type of a series in Legendre polynomials, and utilizing the properties and orthosenies in Legendre polynomials, the author shows that the proposed gonality of Legendre polynomials, the author shows that the proposed series is a solution, and gives the method for determining the coefficients. The solution obtained is in the form of minfinite series, and the author constructs next a finite solution of the integral equation. Two particular examples are worked out. Analogical treatment is given to the case when axial symmetry is absent and consequently Eq.(5.1)

 $G(x) = x^{\sqrt{1 + o(1)}}$ for $x \to \infty$ $(-1 \angle \sqrt{1 + o(1)})$, The author examines

in greater detail the case when a flat stamp penetrates an elastic medium under the force applied eccentrically (eccentricity e). The formula for e which would not result in separation of the planes of contact is max

max given, and some numerical results illustrating the formulas derived are tabulated. In conclusion, the author remarks that the above methods can

Card 2/3

32696 \$/040/62/026/001/017/023 D237/D304

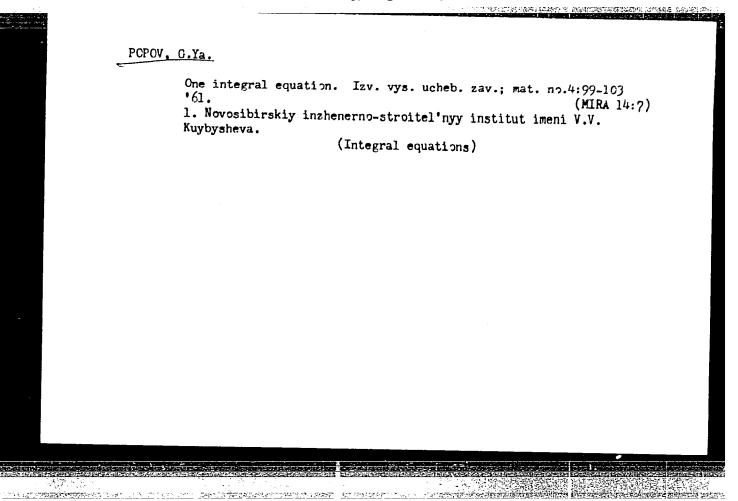
Contact problem of the theory ...

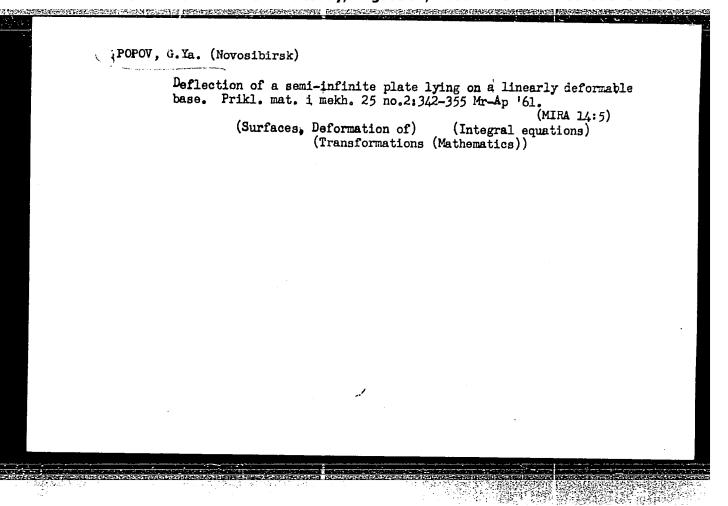
be applied to the case of contact of thin circular plate with an arbitrary medium. There are 2 figures and 13 Soviet-bloc references.

SUBMITTED: August 22, 1961

X

Card 3/3





POPOV, G.Ya. [Popov, H.IA] (Novosibirsk)

Bending of infinitely long beams weakened by hinges and lying on an elastic support. Prykl. mekh. 5 no.4:411-420 159.

(MIRA 13:3)

1. Novosibirskiy inzhenerno-stroitel'nyy institut. (Girders)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013423

An approximate method for solving an integral equation describing the diffraction of electromagnetic waves on a strip of finite POPOV, G.Ya. width. 7hur. tekh. fiz. 35 no.3;381-389 Mr '65.

1. Odesskiy inzhenerno- stroitel'nyy institut.

S/040/61/025/00:/009/022 B125/B204

16:1300

AUTHOR:

Popov, G. Ya. (Novosibirsk)

TITLE:

A method of solving an axisymmetric contact problem of

the theory of elasticity

PERIODICAL:

Prikladnaya matematika i mekhanika, v. 25, no. 1, 1961,

76-85

TEXT: B. G. Korenev, in an earlier paper, reduced the problem of the pressing of a circular stamp into an elastic fundament of the general type to pair integral equations for an auxiliary function. In the present paper, this problem is now reduced to a Fredholm integral equation of the first kind for the contact stress. The results of the present paper are based upon a formula of the sinking-in w(r) of the surface points of the elastic fundament under a perpendicularly acting stress concentrated on the circumferential line. This formula may easily be derived for a fundament of a very general type. Here only the relation

Card 1/7

S/040/61/025/001/009/022 B125/B204

A method of solving an axisymmetric ...

 $\mathbf{w}_{0}(\mathbf{r}) = \int_{0}^{\infty} \mathbf{f}_{0}(t) \mathbf{J}_{0}(\mathbf{r}t) dt$ (1.1) must be satisfied. Here $\mathbf{J}_{0}(\mathbf{x})$ is the

Bessel function of the first kind, $\mathbf{w}_0(\mathbf{r})$ the sinking of a surface point of the fundament at a distance $\mathbf{r} = \sqrt{\mathbf{x}^2 + \mathbf{y}^2}$ from the point of application of the unit force. For an elastic homogeneous semispace, $\mathbf{f}_0(\mathbf{t}) = (1 - \mu_0^2)(\pi E)^{-1}$, e.g. holds. For a semispace with an elasticity

 $f_o(t) = (1 - \mu_o)(\pi E)^T$, e.g. holds. For a semispace we modulus corresponding to the exponential law $E = E_v z^V$, $f_o(t) = \frac{\Gamma(1/2 - v/2)}{\pi D_v \Gamma(1/2 + v/2)} \left(\frac{t}{2}\right)^v \left(D_v = \frac{\alpha_o}{E_v}\right) \quad (1.2) \text{ holds. G. K. Kleyn}$

set up tables for the coefficient α_0 . For an elastic layer $(0 \le z \le h)$ (1.1) also holds. It holds also for an elasticity modulus which is variable according to the law $E = E_0 \exp(\gamma z)$. With the stress p(x,y),

Card 2/7

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013423

A method of solving an axisymmetric ...

S/040/61/025/001/009/022 B125/B204

For a circular region in the case of homogeneous semispace, and also for a semispace with (1.2) holding, the contact problem may be reduced to solving an integral equation of the Wiener-Hopf type. Two similar elastic semispace-like bodies with different elastic properties are supposed to be in touch with each other. It then holds according to I. Ya. Shtayerman that $\alpha = w_1(r) + z_1(r) + z_2(r) - w_2(r)$ (2.1).

Here α is the approach of the elastic bodies during compression; $z=z_1(r)$ and $z=-z_2(r)$ are the equations of the surfaces bounding the compressed bodies. $w_1(r)$ and $w_2(r)$ are the vertical elastic displacements of the points in contact. By means of

 $^{\text{w}}_{1,2} = \pm ^{\text{c}}_{1,2} \int_{0}^{\infty} k_{\text{V}}(r/q)q^{-\nu}p(q)dq$ there follows from (2.1) the integral

equation $\int_{0}^{a} k_{\nu}(r/p) e^{-\nu} p(p) dp = f(r), 0 \le r \le a \quad (2.4) \text{ with}$

Card 4/7

A method of solving an axisymmetric ...

S/040/61/025/001/009/022 B125/B204

holds. Herefrom there follows after some steps (4.2), (4.3) and, with r = a (4.6) Откуда, используя полученные формулы (3.18) и (3.19), найдем

$$p\left(r\right) = \frac{2^{1-\nu}\Gamma^{-1}\left(\frac{1}{2} + \frac{1}{2\nu}\right)}{c_{1} + c_{2}} \left[\frac{\alpha}{\Gamma\left(\frac{1}{2} + \frac{1}{2\nu}\right)} - A \frac{\Gamma\left(\frac{1}{2} + \frac{1}{2\nu}\right) a^{\alpha}}{\Gamma\left(\frac{1}{2} + \frac{1}{2\nu} + \frac{1}{2\nu}\right)} \right] (a^{2} - r^{2})^{\frac{1}{2\nu} - \frac{1}{2\nu}} +$$

$$+ \frac{A}{c_1 + c_2} \frac{2^{1-\nu} \Gamma(1+1/s\sigma) \sigma}{\Gamma(1/s+1/s\nu) \Gamma(1/s+1/s\nu+1/s\sigma)} \int_{-\infty}^{\infty} (t^2 - r^2)^{1/s\nu-1/s} t^{\sigma-1} dt \qquad (4.2)$$

$$P = \frac{\pi 2^{2-\nu} a^{1+\nu}}{(c_1+c_2) \Gamma(1/2+1/2\nu)} \left[\frac{\alpha}{(1+\nu) \Gamma(1/2+1/2\nu)} - \frac{A\Gamma(1+\sigma/2) a^{\sigma}}{(1+\nu+\sigma) \Gamma(1/2+1/2\nu+1/2\sigma)} \right] (4.3)$$

$$p(r) = \frac{P(1+v)(1+v+\sigma)}{2\pi a^2} \int_{r/a}^{1} \left(t^2 - \frac{r^2}{a^2}\right)^{t/a^2-t/a} t^{a-1} ds \tag{4.6}$$

Finally, also some special cases are investigated, using a formula by Card 6/7

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013423

A method of solving an axisymmetric ...

S/040/61/025/001/009/022 B125/B204

V. I. Mossakovskiy. Furthermore, a second method of solving the integral equation of the axially symmetric contact problem is given. In this connection one obtains (4.14).

$$p(r) = \frac{2^{1-\nu}}{\Gamma^2 \left(\frac{1+\nu}{2}\right)} \left[\frac{\tau}{(a^2-r^2)^{1/s-1/s\nu}} - \int_r^a \frac{u^{-\nu} du}{(a^2-r^2)^{1/s-1/s\nu}} \int_0^u \frac{f'(s)+sf''(s)}{(u^2-s^2)^{1/s-1/s\nu}} \left(1+\nu \frac{s^2}{u^2}\right) ds \right]$$

$$\gamma = f(0) + a^{1-\nu} \int_{0}^{a} \frac{f'(s)}{(a^{2} - s^{2})^{1/s - 1/s \nu}} \left(1 + \nu \frac{s^{2}}{a^{2}}\right) ds$$

This method permits an exact solution of the axially symmetric contact problem in consideration of the surface structure of the bodies in contact with one another. There are 15 Soviet-bloc references.

ASSOCIATION:

Novosibirskiy inzhenerno-stroitel'nyy institut

(Novosibirsk Institute of Civil Engineering)

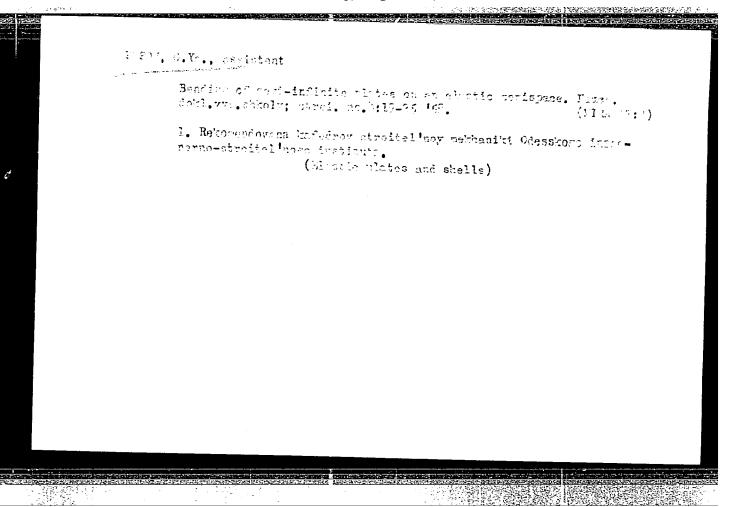
SUBMITTED:

November 14, 1960

APPROVED FOR RELEASE: Tuesday, August 01, 2000

Card_7/7

CIA-RDP86-00513R0013423



AUTHOR: Popov, G.Ya.

SOV/140-58-3-24/34

TITLE:

Correction and Completion of the Paper "On Conjugate Integro-Differential Equations ... " (Ispravleniye i dopolneniye k rabote "O sparennykh integro-differentsial'nykh uravneniyakh.."

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 3, pp 187 - 190 (USSR)

ABSTRACT:

In [Ref 1] the author considered the bending of an infinite plate, the rigidity of which is piecewise constant. By error he calculated the case of a throughout constant rigidity which gave already well-known results. In the present paper this

error is eliminated.

There are 2 Soviet references.

ASSOCIATION: Odesskiy inzhenerno-stroitel'nyy institut (Odessa Institute for

Civil Engineers)

SUBMITTED:

March 25, 1958

Card 1/1

24 (o) AUTHOR:

Popov, G. Ya.

SOV/20-126-3-21/69

TITLE:

The Bending-through of a Semi-infinite Plate in Connection With an Elastic Support (Izgib polubeskonechnoy plity na kombinirovannom uprugom osnovanii)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3,

pp 534-537 (USSR)

ABSTRACT:

In the present paper an exact solution of the problem is carried out. For this purpose, an elastic semispace, upon which the plate rests and which serves as an elastic support, is introduced. This elastic support curves like a system of individual upright springs. In the first part, the formula for bending-through of the plate bounded on one side with given rigidity under a periodic load is given, and formula (6) is developed for the tension below the plate by taking the biharmonic equation into account. The results obtained are further investigated, and in the second part of the paper general formulas are deduced by using Cauchy's integral for the tension below the plate and for its through-bend. There are 5 Soviet references.

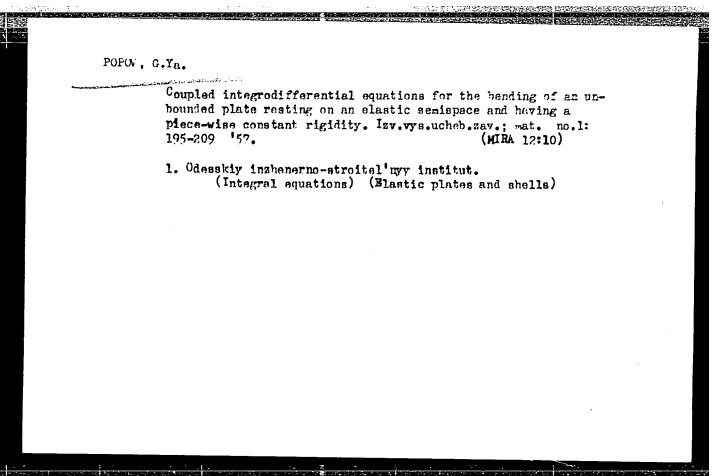
Card 1/2

Correction and supplement to the work "Paired integrodifferential equations..." Izv. vys. ucheb. zav.; mat. no.3:187-190 '58.

1. Odesskiy inzhenerno-etroitel'nyy institut.

(Integral equations)

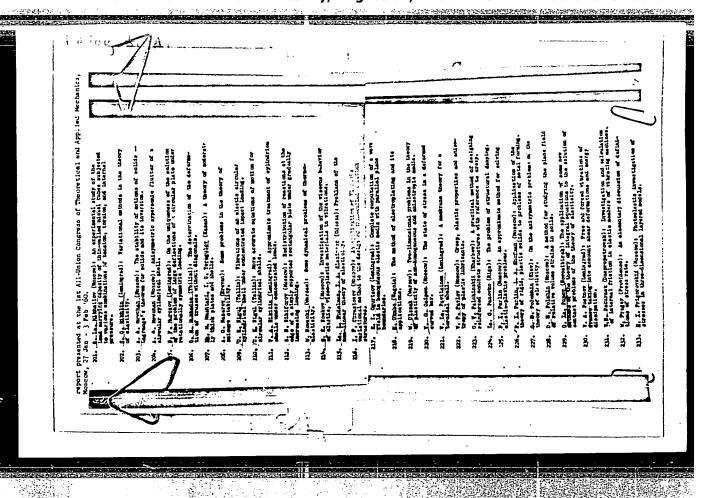
(Miastic plates and shells)

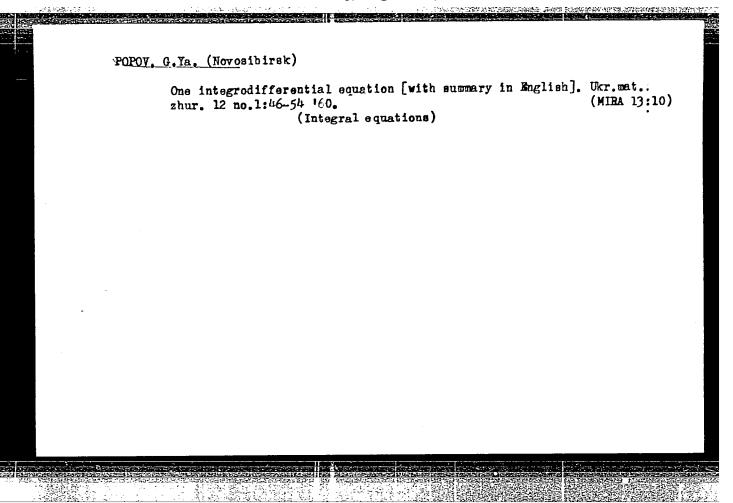


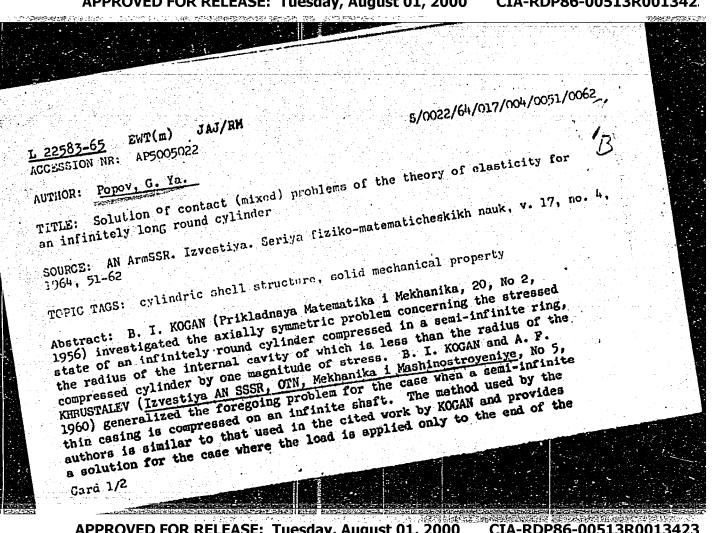
POPOV, G.Ya, Jand Tech Sci-(diss) "Precise solution of certain problems of the bending of plates in an electic semispace."

Odesca, 1958. 11 op (Ein of Righer Education UNSSE. Odessa Construction Engineering Inst), 115 copies. Bibliography at end of text (10 titles) (KL, 25-58, 114)

-1/2-







L 22583-65

ACCESSION NR: AP5005022

casing and is distributed along the cylinder surface. In an article by the present author (Primeneniye Nekotorykh Novykh Metodov Teorii Integral'nykh Uravneniy K Kontaktnym Zadacham Teorii Uprugosti. I Vsesoyuznyy S"yezd po Teoret. I Prikl. Mekhan., Tezisy Dokladov, M., 1960), which was reported (but not published) at the I All-Union Conference on Mechanics earlier than the article by KOGAN and KHRUSTALEV, a similar contact problem was solved. In the present article, the method reported at the All-Union Conference on Mechanics is applied to the aforementioned problems. This method has several advantages over the method used by KOGAN and KHRUSTALEV. In particular, a solution is obtained for the problem of the compression of a semi-infinite casing loaded at an arbitrary spot. With this method it is possible to solve other hybrid problems for an infinite cylinder. It may also be used for problems where axial symmetry does not occur. Orig. art. has: 40 formulas.

ASSOCIATION: Odesskiy inzhenerno-stroitel'nyy institut (Cdessa Structural Engineering Institute)

SUBMITTED: 18Sep63

NO REF SOV: 009

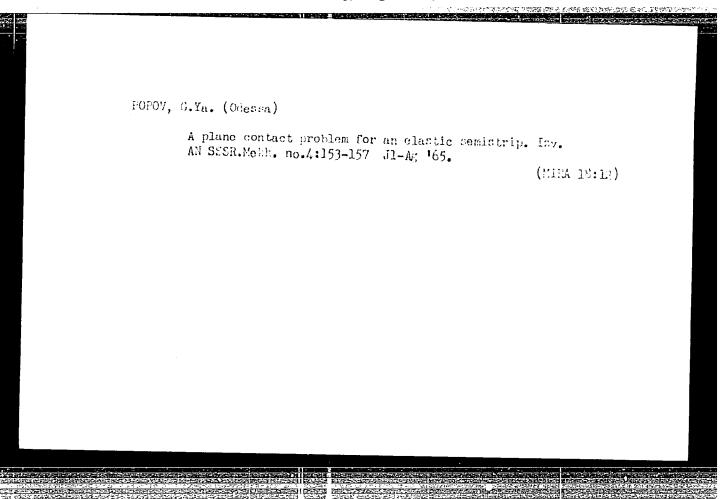
Card 2/2

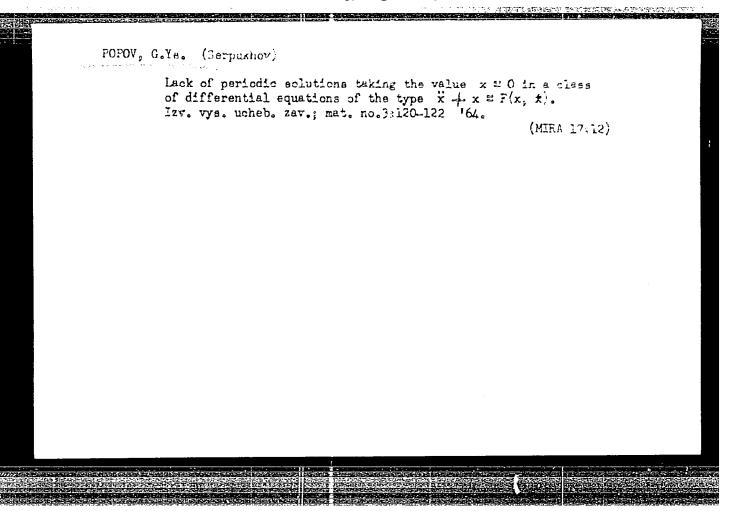
ENCL: 00

OTHER: 000

SUB CODE: AS

JPRS





SNESAREVSKIY, Aleksandr Petrovich; OGURTSOV, V.V., retsenzent; POFOV, G.Ye., retsenzent; RODIONOV, I.I., retsenzent; SIBAROV, A.D., retsenzent

[Experience in the reorganization of accounting work in mines] Opyt perestroiki bukhgalterskoi raboty na shaktakh. Moskva, Nedra, 1964. 130 p. (MIRA 18:6)

BAGRIKOV, I.N., inzh.; POPOV, G. Ye., dotsent; UGOLIK, N.F., kand.tekhn.nauk, dotsent.

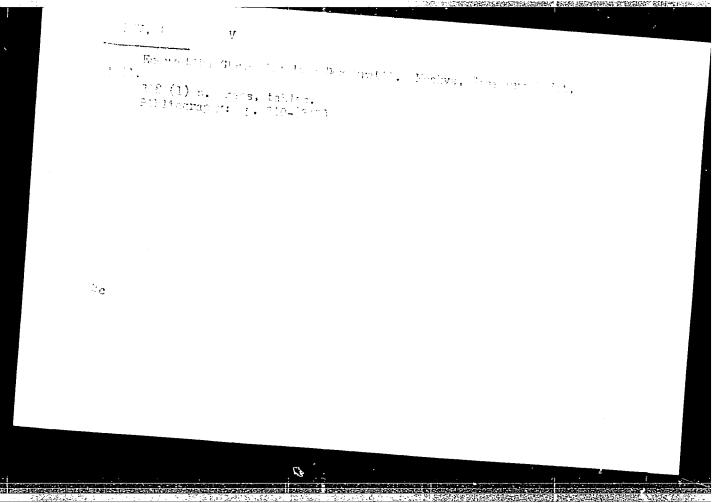
"Organization and planning of machinery plants" by E. G. Liberman Reviewed by I. N. Bagrikov, G.E. Popov, N. F. Ugolik. Vest. mash. 41 no.6:83-84 Je '61. (MIRA 14:6)

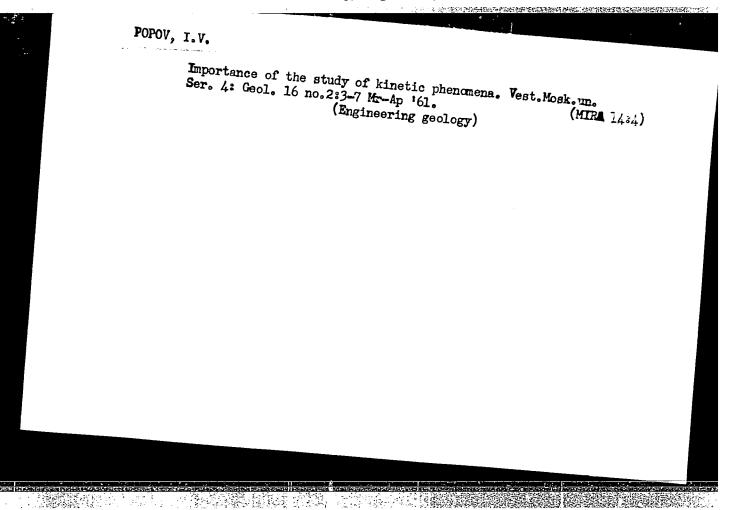
1. Ivanovskiy energeticheskiy institut im. V. I. Lenina (for Bagrikov). 2. Odesskiy politekhnicheskiy institut (for Popov). 3. Odesskiy tekhnologicheskiy institut im. I. V. Stalina (for Ugolik).

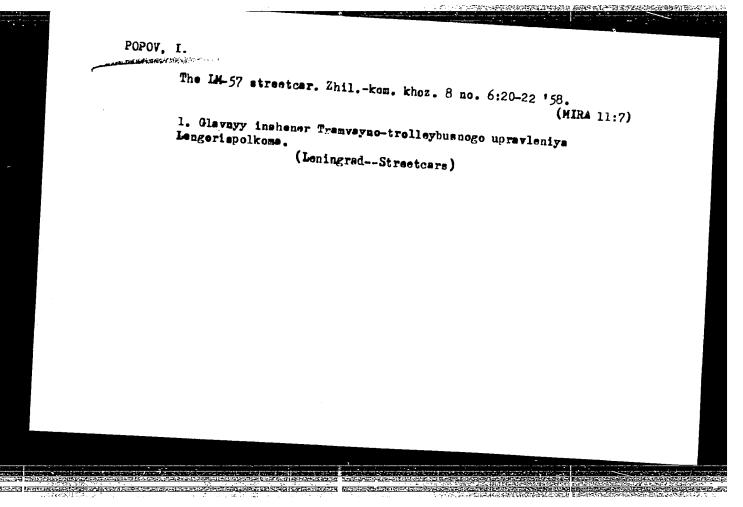
(Machinery industry)
(Liberman, E. G.)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013423

ne kantingi karal landar. Pana ka tili nama kantananaha dinakahan manjar kantan nahipinaka manjaran kara Cor







TSAMEV. B.; POPOV. I.

Functional minimum in the investigation of pulmonary ventilation. Suvrem.

med. Sofia 9 no.1:91-96 1958.

1. Iz Sanatoriuma Iskrets (G1. lekar: S. Simeonov).

(RESPIRATION, physiology.

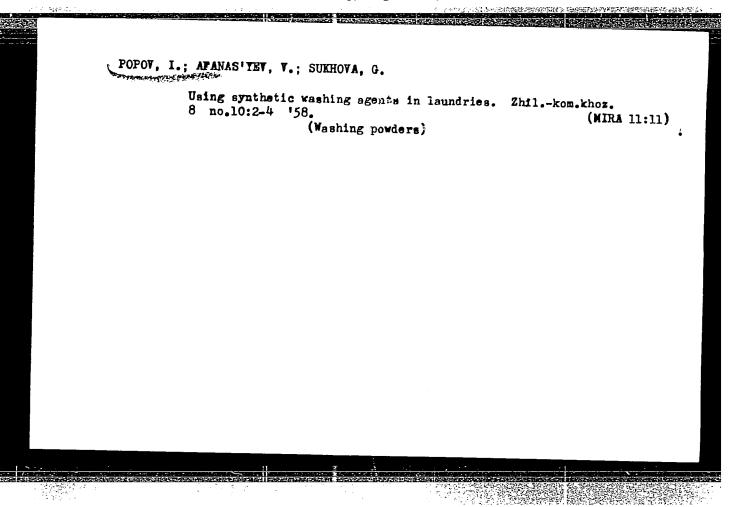
ventilation, funct. minimum (Bul))

TOMESKU, I.: POPOV, I [translater]

Trade cooperative societies in Rumania. Prom. koop. 13 no.4:36-37 Ap '59. (MIRA 12:6)

1. Nachal'nik otdela organizatsionnoy i kul'turno-massovoy raboty TSentral'nik soyuza remeslennykh kooperativov Rumynskoy Narodney Respubliki (for Tomesku).

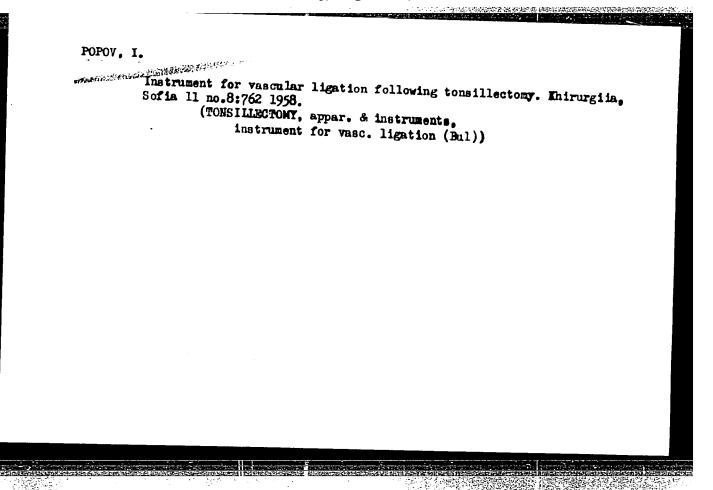
(Rumania -- Cooperative societies)



POPOV, I.; PESHEV, M.

Preoperative and postoperative hemorrhage in tonsillectomy; its therapy and management. Khirurgiia, Sofia 11 no.8:736-740 1958.

1. Vidinska gradska bolnitsa bolan chonov G. Lekar: L. Stolanov. (TONSILLECTOMY, hemorrh. ther. (Bul))



BARDIN, I.; BELAN, R.; BEKHTIN, N.; BOYKO, V.; BORISOV, A.; BYCHKOV, V.;

VASILENKO, S.; VINOGRADOV, V.; VISHNEVSKIY, A.; VODNEV, G.; DVORIN,

S.; DZHAPARIDZE, Ye.; DIDENKO, V.; D'YAKONOV, N.; ZHURAVLEV, S.;

ZAKHAROV, A.; IVANOV, I.; KIRSANOV, M.; KOLYADA, G.; KOROBOV, P.;

LESKOV, A.; LUKICH, L.; LYUBIMOV, A.; MELESHKIN, S.; MYRTSYMOV, A.;

PERTSEV, M.; PETRUSHA, F.; PITERSKIY, A.; POPOV, I.; RAYZER, D.;

ROZHKOV, A.; SAPOZHNIKOV, L.; SEDOK, P.; SOKOLOV, P.; TEVOSYAN, I.;

TIKHONOV, N.; TISHCHENKO, S.; FILIPPOV, B.; FOMENKO, N.; SHELKOV,

A.; SHEREMET YEV, A.

Fedor Aleksandrovich Merkulov. Koks i khim.no.7:62 156. (MLRA 9:12) (Merkulov, Fedor Aleksandrovich, 1900-1956)

POPOV, I.

SCIENCE

Periodical: IZVESTIIA. EULLETIN Vol. 8, 1957

POPOV.I., and others. Accelerating the aging process of Dimiat young wine by biological method. p. 207.

Monthly List of East European Accessions (EEAI), IC. Vol. 8, no. 2 February 1959, Unclass.

POPOV, I.

SCIENCE

Periodical: IZVESTIIA. BULLETIN Vol. 8, 1957

POPOV. I. Investigating the movement of ${\rm Cb}^{60}$ in wheat grain by steeping it in a solution of ${\rm Ce}^{60}$. p. 105.

Monthly List of East European Accessions (EEAI), IC. Vol. 8, no. 2 February 1959, Unclass.

MONDESHKI, M., dots.; RADANOV, R.; POPOV, Iv.; SLAVOV, G.; DOBREV, P.

Results following application of artificial pneumothorax at the tuberculous clinic in Sofia. Suvrem.med., Sofia. 5 no.12:34-46 1954.

AUTHOR:

Popov, I.

SOV/49-58-7-16/16

TITLE:

Inspection of the Seismic Stations of the Caucasus in 1957 (Inspektirovaniye seysmicheskikh stantsiy

Kavkaza v 1957 g.)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, Mo 7. 1958, pp 934 - 936 (USSR)

ABSTRACT:

The inspection was carried out by the members of the seismological department of the Ac.Sc.USSR in the spring and autumn of 1957. The following 20 stations were visited: Sochi, Krasnaya Polyana and Makhachkala in North Caucasus, Baku, Sherakha, Kirovabad, Ienkoran and Nakhi-chevan in Azerbaydzhanskaya SSR, Yerevan, Goris, Ieninakan and Stepanavan in Armenian SSR, Gori, Zugdidi, Gegechkori, Borzhomi, Bakuriani, Abastumani, Akhalkalaki and Boj-danovka in Georgian SSR. Seven of the above stations belonged to the Institute of Geophysics, Ac.Sc. Georgian SSR, two were administered by the Astro-physical Observatory of the Ac.Sc. Armenian SSR, and the rest were under the Institute of Terrestrial Physics of the Ac.Sc.

The stations were equipped with various apparatus. The

naau - du

Cardl/5

SOV/49-58-7-16/16 Inspection of the Seismic Stations of the Caucasus in 1957

seismographs of SK type were found in Makhachkala, Sochi, Shemakha, Kirovabad, Nakhichevan, Goris, and Yerevan. Tbilis also had a complete Galitzin seismograph. Bauk had two horizontal Galitzin seismographs and a vertical one of SK type. Most of the Georgian stations had the regional seismographs of SH type. Goris had a complete set of SK type seismographs with frequency characteristics adated for the regional observations. A regional low-frequency seismograph of the Mikiforov type with a straight, optical registration was found in Lenkoran. Leninakan had two horizontal apparata of SI type with optical registration. Some stations had a supplementary seismograph: Goris and Kirovabad each had a regional-type SH seismograph, Zugdidi and Bakuriani each had a mechanical seismograph of Bosh type and one of SLP type was found in Yerevan.

The equipment of the stations was considered as being below the modern requirements of seismic observations of the Caucasus region. The negligence of the periodical check of instruments was found to be general. Stations

Card2/5

Inspection of the Seismic Stations of the Caucasus in 1957

at Stepanavan, Zugdidi and Borzhomi did not have their

instruments checked for four years. Some stations exchanged their equipment without comparing the new apparatus with the previous ones. It was noticed that most of the stations had inadequate exchange of the scientific data with headquarters. As an example, the collaboration between the laboratories of the Institut fiziki i matematiki An AzerbSSR (Institute of Physics and Mathematics of the Ac.Sc.Azerb.SSR) and their station at Bauk virtually did not exist, nor did the stations at Leninakan and Stepanavan, included in the network of the Armeniar astro-physical observatory, have suitable apparatus nor enough personnel for their task. One of the responsibilities of the inspection was to remedy some of the inefficiencies. The calibration of instruments was performed at 15 stations; the radio transmitters of 11 stations were checked; a relay control device was constructed for the registering apparatus at 12 stations. In many cases, assistance was given to the personnel in their scientific problems and a great deal was done to meet their needs in various matters.

Card3/5

SOV/49-58-7-16/16 Inspection of the Seismic Stations of the Caucasus in 1957.

The following suggestions were made after completing the inspection:

1) the seismological departments of the Ac.Sc.USSR should prepare a detailed plan of the seismic network of the Caucasus region;

2) the local difficulties and their character in relation to the general efficiency of seismic observations with the best type of apparatus required should be assessed as soon as possible;

3) relationship between the scientific bodies and the

stations should be improved;

4) all the seismic work carried out by the stations and by the various institutions in the Caucasus region should be concentrated in the Institut geofiziki AN GruzSSR (Institute of Geophysics of the Georgian SSR) and the region divided into groups with one station as a centre. As an example, three groups could be formed with Makhachkala(or Kirovabad), Yerevan and Toilisias the central stations.

5) at least two stations in the active area of Akhalkalak

card4/5

Inspection of the Seismic Stations of the Caucasus in 1957

highlands should be provided with seismographs of low sensitivity and mechanical registration;

- 6) modern seismographs should replace the outdated ones at Stepanavan, Goris, Zugdidi, Gegechkori, Lenkoran and Leninakan;
- 7) all stations should be immediately provided with good clocks;
- 8) to improve the qualifications of the personnel in charge, a seminar on instrument-servicing and the technique of observations should be established at one of the central stations (e.g. Tbilish).

Uard 5/5 1. Seismological stations--Inspection 2. Seismological stations--Equipment 3. Seismological stations--Effectiveness

MONDESHKI,M.; RADANOV,R.; POPOV,Iv.; SIAVOV,G.; DOBPAV,P.; PASHMAKOV,Iv.

Causes of chronic development of pulmonary tuberculosis. Suvrem. med.,Sofia 11 no.2-3i36-46 '60.

1. Iz Katedrata po ftiznatriia pri VMI - Sofiia, Rukov. na Katedrata: prof. M. Mondeshki.

(TUBERCULOSIS PULMONARY etiol.)

POPOV, I., inzh.

Results ef investigatiens in the field ef pretecting navigable harber appreaches against sedimentation. Mor. flot 19 no.2:22-25 F '59. (MIRA 12:3)

1. Laboratoriya Vsesoyusnogo nauchno-issledovatel'skogo instituta gidrotekhniki imeni B.Ye. Vedeneyeva. (Harbors) (Shore pretection)

POPOV, I., kand.biolog.nauk, AFANAS'TEVA, V., mladshiy nauchnyy sotrudnik, SUKHOVA, G., mladshiy nauchnyy sotrudnik

Reusing suds in laundering. Zhil.-kom. khoz. 10 no.11:12-13 '60. (MIRA 13:11)

akademiya kommunal'nogo khozyaystva (for Afanas'yeva, Sukhova).
 (Laundries, Public)

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013423

22(3)

507/175-58-6-6/41

AUTHOR:

Popov, I., Colonel

TITLE:

Firing at the Range

PERIODICAL:

Tankist, 1958, Mr 6, pp 10-14 (USSR)

ABSTRACT:

The author states that firing from tanks in the field is a difficult training period. Further perfection in the training of the tank crews consists in carrying out tactical exercises. The practice firing is independently performed, by units, in conditions similar to fighting conditions. The slightest inaccuracy committed by one member of the crew affects the joint result. A crew able to estimate quickly the distance to the target can be considered a well trained one. The crew must also endeavor to hit the target using the least number of rounds. The most difficult mode of firing firing on the move. The unstable position of

Card 1/3

is firing on the move. The unstable position of the tank impedes aiming, adjustment of fire,

SOV/175-58-6-6/41

Firing at the Range

observation, and increases the dispersion of shells. In the preparations for firing no undue slackness can be tolerated. It follows from the experience accumulated by Lieutenant Colonel Semenyuta and his staff, that the basic aim is the proper training of the personnel in fire practice. Prior to the firing exercises, the range must be properly prepared and sight instruments checked. For the latter operation, officer Leonov's instrument is used. The organization and the order of fire to be performed are shown in a model plan and a graph (Figure 1), drawn up by the company commander. It consists of a schedule showing organization and execution of practice firing at fixed targets to be performed by a tank company during halts of short duration. It contains the following headings: Subject, purpose, place, time and materiel supply, the firing and the

Card 2/3

SOV/175-58-6-6/41

Firing at the Range

range servicing personnel schedules - in accordance with staff instructions. The paragraph "Organization of Fire" shows, in this particular case, three training grounds, and for each of them "subject, purpose, materiel supply and instructor". Finally, the schedule contains the order of fire. In conclusion the author stresses the importance of practice firing, its organization and execution. Private V.A. Skripnik (Figure 2), is an expert in combat and political training. Recently he was awarded the accolade "excellent" for his fire performance from a tank. There are 1 graph and 1 photograph.

Card 3/3

POPOV, I., akademik, laureat Leninskoy premii Norms of protein nutrition for milk cows need a revision. Zhivotnovodstvo 21 no.8:5-15 Ag *59. (MIRA 12:11) (Dairy cattle--Feeding and feeding stuffs) (Proteins)

Parov. I.

POPOV. I. Trade-union organizations should give all-out aid to the rationalizer movement. p. 3.

Vol. 5, No. 9, 1956. LEKA PROMISHLEMOST. TECHNOLOGY Sofiia, Bulgaria

So: Mast Muropean Accession, Vol. 6, No. 3, March 1957

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0013423

```
"Drafting and execution of the district budget" by R.Kudriashov,
L. Chudinovich, Rovieved by I.Popov, Fin.SSSR 18 no.7:90-92 Jl '57.

(MERA 10:7)

(Local finance) (Kudriashov, R.) (Chudinovich, L.)
```

POPOV, I.

Parellel operation of the n transformer. p. 107. (Izvestiia, Vol. 4, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

POPOV, I.

New Method for determining the magnetizing force of the excitation of direct-current machines with load. p. 119. (Izvestiia, Vol. 4, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

Improve method no.11:51-53 N	for regulat 58.	ing local bude	gets. Fin.SSSR 19 (MIRA 12:7)	
l. ^Z amestitel' finansov Ukrai	nachal'nika nskoy SSR. (Ukraine		upravleniya Ministe	rstva

POPOV, I.

Comparative research on the antibiotic effect of buttercup plants. p. 41. GODISHNIK, Vol 48, no. 1. 1952/53-1958-54 (Published 1955)
Sofiya, Bulgaria

SOURCE: EEAL IC Vol. 5, no. 7 July 1956

POPOV, I	
	합니다 : 경험은 회장 스탄 시대를 그렇고 됐습니다. 이번 그는 그는 하는 다른 사람이 다.
	그리다 살아를 하고 있는 살아는 살아 하는 사람들이 얼마를 하는 것이다.
	그는 항상 회사 사람들은 중에 있는 내 사람들이 없는 사람들이 되었다.
	기계속 본에 되었다. 그렇지 않는 내 사람들이 가지 않는 것이 되었다. 그 사람들이 살아 되었다.
	마이 사람들이 많아 있는데 이 사람들이 되었다. 그 사람들이 되었다. 사람들이 사람들이 되었다.
	마이트 2000년 1일 1일 전에 가장 전에 되었다. 그 아이들에 가장 하는 것이 되었다. 그 사람들이 되었습니다. 현실 경기 등에 가장 되었습니다. 그 것이 되었습니다. 그 사람들이 되었습니다. 발표 2011년 1일
	그렇게 많이 아이들의 이번 보험 물건이면 이름 됐다면 어떻게 되었다는데 되는데 하다.
	마트로 하고 있는 경향되었다. 하는 경향에 가고 있는 경향을 하는 것이 되었다. 하는 경향에 가르고 있는 것이 되었다. 그는 것이 되었다. 그는 것이 되었다. 그는 경향 경향이 가능한 것이 말씀하는 것이 들었다. 하는 것이 되었다. 그는 것은 것이 되었다. 그는 것이 되었다. 그는 것이 되었다.
	2115. CONTAINMENT ON THE CALCULATIONS CONNECTED WITH ELECTRICAL
	100 the first root is the factor of the fact
X	burner formed from such a heater. The actual dimensions of the conductor
	wire are calculated for a given hot-plate diemeter, two diemeter, and plate loading.
	보이는 것이 되어 있어요. 그는 사람들은 사람이 되었다는 사람들이 되었다는 사람들이 되었다. 사람들에 되었다. 사람들은 사람들이 하는 사람들이 되는 사람들이 사람들이 사람들이 되었다.
	있다. 하루 마리 아이를 살아 있다. 그는 그들은 사람이 살아 먹는 것 같아 그 맛이 되었다.
	그는 하는 사람들이 보고 있는 사람들이 되는 사람들이 하는 사람들이 되었다. 그는 사람들이 사람들이 되었다는 사람들이 되었다. 그는 사람들이 사람들이 되었다. 그는 사람들이 보고 그는 사람들이 되었다.

1010V, I.

POPOV, I. A chemical change of enzyme action in seeds produced by supersonic waves. In Russian. p. 65. Vol. 8, no. 1, Jan./Mar. 1955. Doklady., Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4, April 1957

POPOV, I.

Prepare for spring floods. Voen. znan. 35 no.2:35 F 159. (MIRA 12:6)

1. Nachal'nik spasatel'noy sluzhby Moskovskogo oblastnogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu. (Floods)

: Bulgaria COUNTRY T . Human and Animal Physiology, Metabolism CATEGORY ARS. JOUR. : RZhBiol., No. 5 1959, No. 21785 HOTHOE : Vylchanov, V.; Popov I. : Institute of Biology of the Bulgarian Acad. of Sci. INST. TITLE : A Photocolorimetric Study of the Capacity of the Reticuloendothelial System of Absorb Dye in a Fasting Animal. ORIG. PUB. : Izv. In-ta biol. Bylg. AN, 1957, 8, 291-304 In order to determine the phagocytic activity ABSTRACT of the reticuloendothelial system, trypan blue was used as a dye instead of congo red, which gives equivocal results. A prolonged fast (96 hours) produced in rabbits an appreciable delay in the serum clearance of a 1% aqueous solution of trypan blue (0.5 ml/kg) injected intravenously, an effect which demonstrates a reduction in the capacity of the reticuloendothelial system to absorb the dye. Prior data shows that vitamin C given to the fasting animal can temporarily prevent the diminution in the activity of the RE sys-Card: tem. 1/1 T-13